

# Yong Kai Yu

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## SUMMARY

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Passionate software developer that does not back away from challenges and welcomes any problems. Hands-on experience with TypeScript, JavaScript, Next.js and strong foundation in Agile practices, especially in team-based, Scrum-based projects. Able to learn and adapt quickly to new tools, with experience in web development and database management.

## EDUCATION

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**Ngee Ann Polytechnic**

Diploma in Information Technology (N54)

**April 2023 - Present**

Cumulative GPA: 3.4 GPA

**Kent Ridge Secondary School**

Cambridge 'O' Level: 12 points

**January 2019 - December 2022**

## WORK EXPERIENCE

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**Nippon Express Pte Ltd**

Part-Time Warehouse Assistant

**February 2023 - April 2023**

- **Accuracy in Operations:** Helped with inventory management and order pickings at high efficiency and accuracy, demonstrated scrupulous attention to detail in a fast-paced environment.
- **Efficient Time Management:** Developed proper time management habits and effective workload management by prioritizing tasks and meeting daily deadlines, a skill relevant for efficient project management in a software development environment.
- **Problem-Solving:** Refined problem-solving skills and adaptability by identifying and resolving inventory inconsistencies, applicable to troubleshooting and debugging.
- **Operational Systems Insights:** Gained first-hand knowledge of systems and logistics, developing a perspective on building backend systems and optimizing workflows in software applications.

## SKILLS & INTERESTS

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**Programming Languages:** TypeScript, Javascript, C#, Python

**Web Technologies:** HTML, CSS, Node.js, React.js, MongoDB, MSSQL

**Development Tools:** Jira, GitHub, VS Code

**Qualifications & Certifications:**

- Professional Scrum Master I (PSM1)
- AWS Certified Cloud Practitioner
- Foundations in Project Management

**Soft Skills:** Honesty, Adaptability, Analytical, Communication, Teamwork, Open-mindedness

## PROJECTS

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### Data Visualization Web Application

Contributed to a data analytics web application that tracks and analyzes agricultural energy consumption and carbon emissions.

- Technologies Used: Next.js, TypeScript, JavaScript, MongoDB
- Proficient in handling user authentication systems, designing of user interfaces, implementing API routes and interacting with an external NoSQL database
- Gained expertise in TypeScript and Next.js while refining problem-solving abilities and applying code optimization techniques within a Scrum framework.

### Food & Nutrition Website

Created a Food & Nutrition web application to help users track their calorie intake and adopt better food practices.

- Technologies Used: Node.js, HTML, CSS, Express, Javascript
- Demonstrated expertise in developing backend infrastructure, implementing user authentication, designing incentive features, creating user interfaces, handling server-side logic, and performing thorough debugging and testing.

### City Building Strategy Game (Scrum Framework)

Created a building strategy game with a team of 4 using the Scrum Framework to build hands-on experience with the Scrum Framework

- Technologies Used: Jira, HTML, CSS, Javascript
- Refined communication and collaboration skills while adopting better Scrum practices and developing a more analytical approach to problem-solving.
- Tracked project progress in Jira, managed product backlog verification, and actively participated in sprint planning and retrospectives.

### Ice Cream Management System

Developed and implemented an ice cream management system using C# with a focus on user experience and a robust functionality

- Technologies Used: C#, GitHub
- Refined C# expertise, Problem-Solving abilities, GitHub practices and resilience.
- Responsibilities: Designed a user-friendly experience, implemented core functions, performed testing and debugging, implemented error handlers

## REFERENCES

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### Wesley Teo Wen Qiang

Course Chair, Ngee Ann Polytechnic

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### Lee Ching Yun

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